

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|--|---------------------------------|------------------|
| 1 | 1 | 6454169.pn. and speed | USPAT; US-PGPUB; EPO; JPO | 2004/01/13 12:08 |
| 2 | 0 | 6347741.pn. and diffraction | USPAT; US-PGPUB; EPO; JPO | 2004/01/13 12:09 |
| 3 | 0 | 6347741.pn. and diffract\$4 | USPAT; US-PGPUB; EPO; JPO | 2004/01/13 12:10 |
| 4 | 1 | 20020014532.pn. | USPAT; US-PGPUB; EPO; JPO | 2004/01/13 12:10 |
| 5 | 0 | 20020014532.pn. and diffract\$4 | USPAT; US-PGPUB; EPO; JPO | 2004/01/13 12:11 |
| 6 | 58 | (diffract\$4 or refract\$4) same mirror same scan\$4 same ("reference position" or "initial position" or "starting position" or "angular position") | USPAT; US-PGPUB; EPO; JPO | 2004/01/13 12:11 |
| - | 1756 | 235/462.20.ccls. 235/462.21.ccls. 235/462.22.ccls. 235/462.40.ccls. 359/17.ccls. 359/197.ccls. 359/199.ccls. 359/213.ccls. 359/213.ccls. 359/204.ccls. 359/207.ccls. 235/472.01.ccls. | USPAT | 2004/01/12 09:46 |
| - | 33 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls.) and (laser or light or source) same mirror same spinner same (position or location) | USPAT | 2004/01/12 10:42 |
| - | 1 | "6454169" .pn. | USPAT | 2004/01/12 10:21 |
| - | 1 | 6651889.pn. | USPAT | 2004/01/12 10:22 |
| - | 13 | ("3728677" "4318582" "4726640" "4836631" "4847492" "4971410" "5069515" "5363231" "5430570" "5818507" "5969844" "6118568" "6347741").pn. | USPAT | 2004/01/12 10:25 |
| - | 5762 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls.) and (laser or light or source) same (rotat\$4 or spin\$4) same (position or location) | USPAT | 2004/01/12 10:50 |
| - | 2240 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls.) and (laser or light or source) same (rotat\$4 or spin\$4) same (position or location) same mirror\$3 | USPAT | 2004/01/12 10:50 |
| - | 704 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls.) and (laser or light or source) same (rotat\$4 or spin\$4) near5 (position or location) same mirror\$3 | USPAT | 2004/01/12 10:51 |
| - | 41 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls.) and (laser or light or source) same (mirror\$3) same (rotat\$4 or spin\$4) near5 (position or location) near5 (reference or start\$3 or home or initial) | USPAT | 2004/01/12 10:52 |
| - | 54 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls.) and (laser or light or source) same (mirror\$3) same (rotat\$4 or spin\$4) near5 (position or location) near5 (reference or start\$3 or home or initial) | USPAT; US-PGPUB; EPO; JPO | 2004/01/12 10:54 |
| - | 57 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls.) and (laser or light or source) same (mirror\$3) same (rotat\$4 or spin\$4) near5 (position or location) near5 (reference or start\$3 or home or initial or synchroniz\$5) | USPAT; US-PGPUB; EPO; JPO | 2004/01/12 11:16 |

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|---|------|--|---------------------------------|------------------|
| - | 38 | (laser or light or source) same (mirror\$3) same (rotat\$4 or spin\$4) near5 (position or location) near5 (reference or start\$3 or home or initial or synchroniz\$5) with (detect\$4 or determin\$4 or calculat\$4 or comput\$4) same (scan\$4) | USPAT; US-PGPUB; EPO; JPO | 2004/01/12 11:19 |
| - | 8 | ("4239326" "4289371" "4655541" "5296689" "5546201" "5838479" "5933268" "6053416").pn. | USPAT | 2004/01/12 11:25 |
| - | 8 | ("4239326" "4289371" "4655541" "5296689" "5546201" "5838479" "5933268" "6053413").pn. | USPAT | 2004/01/12 11:25 |
| - | 1 | 6595420.pn. | USPAT | 2004/01/12 12:19 |
| - | 1 | 6283375.pn. | USPAT | 2004/01/12 12:25 |
| - | 1 | 6595420.pn. | USPAT | 2004/01/12 12:25 |
| - | 38 | (laser or light or source) same (mirror\$3) same (rotat\$4 or spin\$4) near5 (position or location) near5 (reference or start\$3 or home or initial or synchroniz\$5) with (detect\$4 or determin\$4 or calculat\$4 or comput\$4) same (scan\$4) | USPAT; US-PGPUB; EPO; JPO | 2004/01/12 16:13 |
| - | 14 | ("3728677" "4318582" "4726640" "4836631" "4847492" "4971410" "5069515" "5363231" "5430570" "5818507" "5969844" "6118568" "6347741").pn. | USPAT; US-PGPUB; EPO; JPO | 2004/01/12 16:30 |
| - | 1748 | (laser or light or source) same (spin\$4 or rotat\$4) same (position or location) with (reference or start\$4 or initializ\$4 or beginning) same mirror | USPAT; US-PGPUB; EPO; JPO | 2004/01/12 16:33 |
| - | 1283 | (laser or light or source) same (spin\$4 or rotat\$4) same (position or location) near7 (reference or start\$4 or initializ\$4 or beginning) same mirror | USPAT; US-PGPUB; EPO; JPO | 2004/01/12 16:34 |
| - | 728 | (laser or light or source) same (spin\$4 or rotat\$4) same (position or location) near7 (reference or start\$4 or initializ\$4 or beginning) same mirror same reflect\$4 | USPAT; US-PGPUB; EPO; JPO | 2004/01/12 16:36 |
| - | 642 | (laser or light or source) same (spin\$4 or rotat\$4) same (position or location) near5 (reference or start\$4 or initializ\$4 or beginning) same mirror same reflect\$4 | USPAT; US-PGPUB; EPO; JPO | 2004/01/12 16:36 |
| - | 128 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls. 209/\$.ccls.) and (laser or light or source) same (spin\$4 or rotat\$4) same (position or location) near5 (reference or start\$4 or initializ\$4 or beginning) same mirror same reflect\$4 | USPAT; US-PGPUB; EPO; JPO | 2004/01/12 16:43 |
| - | 105 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls. 209/\$.ccls.) and (laser or light or source) same (spin\$4 or rotat\$4) same (position) near3 (reference or start\$4 or initializ\$4 or beginning) same mirror same reflect\$4 | USPAT; US-PGPUB; EPO; JPO | 2004/01/12 16:44 |
| - | 47 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls. 209/\$.ccls.) and (laser or light or source) same (spin\$4 or rotat\$4) with (position) near3 (reference or start\$4 or initializ\$4 or beginning) same mirror same reflect\$4 | USPAT; US-PGPUB; EPO; JPO | 2004/01/13 09:15 |

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|---|-----|---|---------------------------------|------------------|
| - | 219 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls. 209/\$.ccls.) and (laser or light or source) same (spin\$4 or rotat\$4 or motor or defelctor) with ("reference position" or "starting position" or "initial position" or "beginning position") | USPAT; US-PGPUB; EPO; JPO | 2004/01/13 09:17 |
| - | 232 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls. 209/\$.ccls.) and (laser or light or source) same (spin\$4 or rotat\$4 or motor or deflector) with ("reference position" or "starting position" or "initial position" or "beginning position") | USPAT; US-PGPUB; EPO; JPO | 2004/01/13 09:17 |
| - | 98 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls. 209/\$.ccls.) and (laser or light or source) same (spin\$4 or rotat\$4 or motor or deflector) with ("reference position" or "starting position" or "initial position" or "beginning position") same mirror | USPAT; US-PGPUB; EPO; JPO | 2004/01/13 09:18 |
| - | 13 | (235/\$.ccls. 359/\$.ccls. 705/\$.ccls. 209/\$.ccls.) and (laser or light or source) same (spin\$4 or rotat\$4 or motor or deflector) with ("reference position" or "starting position" or "initial position" or "beginning position") same (refract\$4 or diffract\$4) | USPAT; US-PGPUB; EPO; JPO | 2004/01/13 11:27 |

| L Number | Hits | Search Text | DB | Time stamp |
|----------|--------|--|-------|------------------|
| - | 11 | lindacher.in. | USPAT | 2002/07/01 16:23 |
| - | 0 | 235/462.40.ccls. | USPAT | 2002/07/01 16:23 |
| - | 46 | 235/462.4.ccls. | USPAT | 2002/07/01 16:31 |
| - | 239143 | 235/462.4.ccls. and laser and spinner or scanner same motor samr mirror\$ | USPAT | 2002/07/01 16:31 |
| - | 7397 | 235/462.4.ccls. and laser and spinner or scanner same motor samr mirror\$ same diffract\$ same detect\$ | USPAT | 2002/07/01 16:32 |
| - | 0 | 235/462.4.ccls. and laser same (spinner or scanner) same motor same mirror\$ same diffract\$ same detect\$ | USPAT | 2002/07/01 16:49 |
| - | 1 | 235/\$.ccls. and laser same (spinner or scanner) same motor same mirror\$ same diffract\$ same detect\$ | USPAT | 2002/07/01 17:01 |
| - | 0 | (beam or laser\$) same spinner\$ same mirror\$ same diffract\$ same photodetector\$ | USPAT | 2002/07/01 17:04 |
| - | 3 | (aser or light or beam) same spinner same mirror\$ same (diffract\$ or refract\$) same (detect\$ or photodetector) | USPAT | 2002/07/01 17:58 |
| - | 2 | (laser or light or beam) same spinner same mirror\$ same (diffract\$ or refract\$) same (detect\$ or photodetector) same (position or location) | USPAT | 2002/07/01 17:59 |
| - | 296 | 235/462.33 or 235/462.36 or 235/462.37 or 235/462.38 or 235/462.40 | USPAT | 2002/07/01 18:02 |
| - | 2 | (laser or light or beam) same spin\$ same mirror\$ same (diffract\$ or refract\$) same (detect\$ or photodetector) same (position or location) | USPAT | 2002/07/01 18:07 |
| - | 237 | (235/462.33 or 235/462.36 or 235/462.37 or 235/462.38 or 235/462.40) and mirror\$ and (light or beam or laser) and (detect\$ or photodetect\$) and (diffract\$ or refract\$ or reflect\$) and (position or location) | USPAT | 2002/07/01 18:13 |
| - | 226 | (235/462.33 or 235/462.36 or 235/462.37 or 235/462.38 or 235/462.40) and (mirror\$ same (light or beam or laser) same reflect\$) and (detect\$ or photodetect\$) and (diffract\$ or refract\$ or reflect\$) and (position or location) | USPAT | 2002/07/01 18:16 |
| - | 226 | (235/462.33 or 235/462.36 or 235/462.37 or 235/462.38 or 235/462.40) and (mirror\$ same (light or beam or laser) same reflect\$) and (detect\$ or photodetect\$) and (diffract\$ or refract\$ or reflect\$) and (position or location or "reference position") | USPAT | 2002/07/01 18:36 |
| - | 4 | (235/462.33 or 235/462.36 or 235/462.37 or 235/462.38 or 235/462.40) and (mirror\$ same (light or beam or laser) same reflect\$) and ((detect\$ or photodetect\$) same (position or location or "reference position")) and ((diffract\$ or refract\$ or reflect\$) same spinner) | USPAT | 2002/07/01 18:44 |
| - | 6 | (235/462.33 or 235/462.36 or 235/462.37 or 235/462.38 or 235/462.40) and (location or position) same spinner | USPAT | 2002/07/01 18:47 |
| - | 1 | 235/\$.ccls. and spinner same (detect\$ adj3 (location or position)) | USPAT | 2002/07/01 18:55 |
| - | 3 | 235/\$.ccls. and spinner same ("reference position") | USPAT | 2002/07/01 18:57 |
| - | 69 | 235/\$.ccls. and (rotat\$ or spin\$) same ("reference position") | USPAT | 2002/07/01 19:17 |
| - | 11 | lindacher.in. | USPAT | 2002/07/01 19:17 |
| - | 7 | lindacher.in. and spinner | USPAT | 2002/07/01 19:17 |
| - | 0 | ((lindacher.in. and spinner) and (laser or light or source or beam)) and "reference position" | USPAT | 2002/07/01 19:17 |
| - | 7 | (lindacher.in. and spinner) and (laser or light or source or beam) | USPAT | 2002/07/01 19:18 |

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|---|-----|---|-------|------------------|
| - | 6 | (lindacher.in. and spinner) and (laser or light or source or beam) and (location or position) | USPAT | 2002/07/01 19:18 |
| - | 6 | (lindacher.in. and spinner) and (laser or light or source or beam) and (location or position) and mirror\$ | USPAT | 2002/07/01 19:19 |
| - | 5 | (lindacher.in. and spinner) and (laser or light or source or beam) and (location or position) and mirror\$ and (detect\$ or photodetector) | USPAT | 2002/07/01 19:20 |
| - | 476 | 235/462.36.ccls. or 235/462.37.ccls. or 235/462.38.ccls. or 235/462.39.ccls. or 235/462.40.ccls. or 235/462.41.ccls. or 235/462.42.ccls. | USPAT | 2002/07/02 11:18 |
| - | 15 | (235/462.36.ccls. or 235/462.37.ccls. or 235/462.38.ccls. or 235/462.39.ccls. or 235/462.40.ccls. or 235/462.41.ccls. or 235/462.42.ccls.) and laser\$ and mirror\$ and spinner\$ | USPAT | 2002/07/02 11:19 |
| - | 15 | (235/462.36.ccls. or 235/462.37.ccls. or 235/462.38.ccls. or 235/462.39.ccls. or 235/462.40.ccls. or 235/462.41.ccls. or 235/462.42.ccls.) and (light\$ or beam\$ or laser\$) and mirror\$ and spinner\$ | USPAT | 2002/07/02 11:32 |
| - | 14 | (235/462.36.ccls. or 235/462.37.ccls. or 235/462.38.ccls. or 235/462.39.ccls. or 235/462.40.ccls. or 235/462.41.ccls. or 235/462.42.ccls.) and (light\$ or beam\$ or laser\$) and (reflect\$ or mirror\$) and spinner\$ and (location\$ or position\$) | USPAT | 2002/07/02 15:43 |
| - | 11 | (235/462.36.ccls. or 235/462.37.ccls. or 235/462.38.ccls. or 235/462.39.ccls. or 235/462.40.ccls. or 235/462.41.ccls. or 235/462.42.ccls. or 234/462.25.ccls.) and (light\$ or beam\$ or laser\$) and (reflect\$ or mirror\$) and (spinner\$ same (location\$ or position\$)) | USPAT | 2002/07/02 15:56 |
| - | 54 | 350/\$.ccls. or 359/\$.ccls. and ((spinner\$ or (rotat\$ adj optical)) adj5 (location\$ or position\$)) | USPAT | 2002/07/02 16:20 |
| - | 3 | (235/462.36.ccls. or 235/462.37.ccls. or 235/462.38.ccls. or 235/462.39.ccls. or 235/462.40.ccls. or 235/462.41.ccls. or 235/462.42.ccls. or 234/462.25.ccls.) and (light\$ or beam\$ or laser\$) and (reflect\$ or mirror\$) and (spinner\$ adj5 (location\$ or position\$)) | USPAT | 2002/07/02 16:07 |
| - | 32 | 350/\$.ccls. or 359/\$.ccls. and ((spinner\$ or (rotat\$ adj optical)) adj3 (location\$ or position\$)) | USPAT | 2002/07/02 16:37 |
| - | 3 | 235/\$.ccls. and spinner same (diffract\$ or refract\$) | USPAT | 2002/07/02 16:39 |
| - | 282 | 235/\$.ccls. and (beam or laser or light) adj3 (diffract\$ or refract\$) | USPAT | 2002/07/02 16:49 |
| - | 83 | 235/\$.ccls. and ((beam or laser or light) adj3 (diffract\$ or refract\$)) same (detector or photodetector) | USPAT | 2002/07/02 16:50 |
| - | 1 | 235/\$.ccls. and ((beam or laser or light) adj3 (diffract\$ or refract\$)) same (detector or photodetector) same (barcode or scanner) same position | USPAT | 2002/07/02 16:53 |
| - | 4 | determin\$ same (position or location) same (spinner or "rotating optical device") and 235/\$.ccls. | USPAT | 2002/07/02 16:54 |
| - | 8 | determin\$ same (position or location) same (barcode or scanner) same spinner | USPAT | 2002/07/02 17:26 |
| - | 0 | ((diffract\$ or refract\$) same spinner same (location or position) same photodetector) and (barcode or "bar code") | USPAT | 2002/07/02 17:30 |
| - | 0 | ((diffract\$ or refract\$) same spinner same (location or position)) and (barcode or "bar code") | USPAT | 2002/07/02 17:30 |

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| - | 14 | (diffract\$ or refract\$) same spinner same (location or position) | USPAT | 2002/07/02 17:31 |
| - | 11 | lindacher.in. | USPAT | 2002/07/08 08:06 |
| - | 3 | lindacher.in. and (diffract\$ or refract\$) | USPAT | 2002/07/08 08:11 |
| - | 116 | 235/\$.ccls. and (scanner same diffract\$) | USPAT | 2002/07/08 08:20 |
| - | 0 | 235/\$.ccls. and (scanner same diffract\$) same (mirror\$ or reflect\$) same spinner | USPAT | 2002/07/08 08:21 |
| - | 1 | 235/\$.ccls. and (scan\$ same diffract\$) same (mirror\$ or reflect\$) same spinner | USPAT | 2002/07/08 08:25 |
| - | 13 | (359/\$.ccls. or 356/\$.ccls/ or 235/\$.ccls.) and ((scan\$ same diffract\$) same (mirror\$ or reflect\$) same spinner) | USPAT | 2002/07/08 09:35 |
| - | 3 | (359/\$.ccls. or 356/\$.ccls/ or 235/\$.ccls.) and ((scan\$ same diffract\$) same (mirror\$ or reflect\$) same spin\$) | USPAT | 2002/07/08 10:41 |
| - | 21 | (359/\$.ccls. or 356/\$.ccls/ or 235/\$.ccls.) and (scan\$ same diffract\$) same spinner | USPAT | 2002/07/08 10:42 |
| - | 0 | (6053413.pn. and 5546201.pn. and 5296689.pn.) and (diffract\$ or refract\$) | USPAT | 2002/07/08 10:44 |
| - | 21 | (359/\$.ccls. or 356/\$.ccls/ or 235/\$.ccls.) and ((scan\$ same diffract\$) same spinner) | USPAT | 2002/07/08 10:45 |
| - | 2 | (6053413.pn. or 5546201.pn. or 5296689.pn.) and (diffract\$ or refract\$) | USPAT | 2002/07/08 14:48 |
| - | 48 | scanner same diffract\$ same mirror\$ | EPO; JPO | 2002/07/08 14:48 |